

CLAIMS

1. An industrial robot, comprising:

a robot arm including a plurality of first arm components swingably connected to

5 one another; and

a base to which one of the first arm components at a base-side end of the robot arm
is connected,

wherein each of the first arm components has a connector which is detachably
connected to a neighboring one of the first arm components, and

10 the connector is connectable to a replacement second arm component in place of
the neighboring first arm component.

2. An industrial robot, comprising:

a robot arm including a plurality of first arm components swingably connected to

15 one another; and

a base to which one of the first arm components at the base-side end of the robot
arm is connected,

wherein each of the first arm components has a connector which is detachably
connected to a neighboring one of the first arm components, and

20 the connector is connectable to an additional second arm component added to the
robot arm and included in the robot arm together with the first arm components.

3. The industrial robot of claim 1 or 2, wherein the length of the second arm component in
its arm axis direction is different from the length of the first arm component in its arm axis
25 direction.

4. The industrial robot of claim 1 or 2, wherein: the second arm component is divided into a base-side part and a tip-side part at an axially intermediate position; and the second arm component has rotation means for rotating the tip-side part around its arm axis relative to the base-side part.

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5. The industrial robot of claim 1 or 2, wherein the second arm component includes a movable member and a moving device for moving the movable member in the arm axis direction of the second arm component.